CHOOSING A LOCATION

For the best performance, install these speakers on a solid, firm surface
that does not vibrate at high volume levels. We recommend you mount the
speakers in the door panels or the rear deck.

NOTE: Cardboard or fiber panels are not good mounting surfaces.

As you are deciding on a location, carefully inspect the area behind the
proposed mounting surface.

    There must be a clear unobstructed area of at least 2 inches (50.8 mm)
    behind the panel.

    If it is a door location, check to be sure the window, window mechanism
    and window handle will clear the speaker.

    NOTE: Make sure the window opens and closes properly.

INSTALLING THE SPEAKERS

1. Use the supplied template to mark the speaker opening and the mounting
    screw hole locations.

2. Cut out the marked speaker opening in the mounting surface.

    NOTE: Steel door panels and the rear deck (behind the upholstery)
           might already have large cut-out areas for recessing the speaker

3. Drill the four mounting-screw holes.

    CAUTION: Be careful not to drill into anything behind the mounting
              surface.

4. Mount the supplied speed clips directly onto the mounting screw holes
    that you drilled using the supplied template.

5. If necessary, route new speaker wire from the autosound system to the
    mounting area.

    CAUTIONS: Avoid routing speaker wire where it can be pinched or
               stepped on. You can usually route it along the channel
               beneath the vehicle's door facings.

               If you selected door locations, you might need to punch a
               small hole in the door edge (near the door hinges) to route
               the wires into the door. Leave enough slack wire to open the
               door all the way.

6. Insert the positive (+) and negative (-) stripped speaker wire ends
    through the corresponding speaker terminals, wrap them around the
    terminals, and either solder or crimp them in place.

    CAUTIONS: Improper phasing can cause poor bass response. To ensure
               proper phasing, you need to match your autosound system's
               positive (+) and negative (-) speaker wires to the corres-
               ponding positive (+) and negative (-) speaker terminals.

               Do not connect any of your speaker terminals to chassis
               ground.

7. Remove the grille from each speaker's mounting bracket to expose the mounting holes.

8. Place the mounting bracket on the speaker.

9. Align each speaker's mounting holes and the mounting bracket's holes with the holes on the speed clips, thread a supplied screw through each mounting hole, and tighten all screws until they are secure.

10. Firmly press the grille onto each speaker's mounting bracket.

    NOTE: You can use the supplied adhesive glue to further secure the grille to the mounting bracket.

    Press the glue into the mounting bracket's edges.

Optimus 4-Inch Flush-Mount Speaker System
(120-1746)   Specification   Faxback Doc. # 34218

Speaker Size:

Woofer: .... 4 Inch (102 mm) Dual Cone

Woofer, Cone: .... Paper

Sub Cone: .... Paper

Grille: .... Hi Heat ABS

S.P.L.: .... 89 dB

Barium Magnet Weight: .... 70 x 32 x 10, 5.4 oz (1/8 kg)

Maximum Power: .... 45 Watts/Channel

Power Handling: .... 15 Watts RMS/Channel

Impedance: .... 4 Ohms

Frequency Response: .... 95 Hz - 19 kHz

Weight (one speaker): .... 1 lb. (0.453 kg)

Dimensions (HWD): .... 4 13/16 x 4 13/16 x 2 5/16 Inches
                                                   (122 x 122 x 59 mm)

Specifications are typical; individual units might vary. Specifications
are subject to change and improvement without notice.

(YO/EB 7/29/96)
LN-03/04

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